

ABSTRACT

Sound-shielding element for covering at least one of sound-reflecting or sound-generating structural parts and method for forming the same, the element including at least one panel or layer, a plurality of small perforations formed in the at least one panel or layer, where an average diameter or width of the perforations ranges between 0.001 and 0.7 mm and a hole/surface ratio ranges between 0.001 and 8 % so that the sound waves entering the perforations initiate physical effects in a gas volume contained in said perforations.